

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A wireless communication method for performing wireless communication by using a network connecting a wide-area wireless communication system capable of wireless paging and one or more wireless communications systems, between a calling side connecting through the network to any wireless communication system or the wide-area wireless communication system and a called side, side connecting to another wireless communication system in the network, ~~the wireless communication method using a wide-area wireless communication system capable of wireless paging, and a non-paging wireless communication system capable of data communication,~~ the wireless communication method comprising:

a paging-sending step of sending a page communication request packet including a calling side ID number on the network and a called side ID number on the network to the called side by the calling side;

a converting step of converting the called side ID number on the network into a called side ID number on the wide-area wireless communication system;

~~a paging step of using the wide-area wireless communication system to page receiving means in a wireless communication terminal of the called side;~~ paging a receiving means in a wireless communication terminal of the called side by sending a paging packet including the called side ID number on the wide-area wireless communication system and the calling side ID number on the network;

a paging detecting step of detecting, by the wireless communication terminal, paging from the wide-area wireless communication system;

a paging notifying step of notifying, by the receiving means in the wireless communication terminal, wireless-communication-controlling wireless communication means

that the receiving means has been ~~paged~~; paged along with the calling side ID number on the network;

a connecting step of connecting ~~to the wireless communication system by the called side to the calling side by sending a reception notification packet from the wireless communication means~~;— means to the calling side ID number on the network through any wireless communication system in the network;

a communication step of performing wireless communication between the calling side and the called side; and

a disconnecting step of disconnecting connection to the wide-area wireless communication system by at least one of the calling side and the called side.

2. (Currently Amended) The A wireless communication method according to claim 1 or claim 14, wherein, in the communication step, a speech conversation is performed.

3. (Currently Amended) A wireless communication system capable of data communication, comprising:

a paging terminal for a calling side to perform communication;

a network connecting one or more wireless communication systems to which said paging terminal is connected;

a wireless communication base station and a wide-area wireless communication base station which are connected to said network; and

a wireless communication terminal for a called side connecting to another wireless communication system in the network to perform communication,

wherein the wireless communication terminal is ~~a non-paging wireless communication terminal and simultaneously comprises:~~ has a receiving means for receiving a page to extract a calling side ID number on the network in a paging packet including the calling side ID number and being sent from said wide-area wireless communication base station; and

communication means for performing data communication with a calling side having the calling side ID number by using any wireless communication systems capable of data communication with said wireless communication base station.

4. (Original) The wireless communication system according to claim 3, wherein, in a configuration in which said calling terminal is capable of communicating audio information on said network, said wireless communication terminal comprises:

audio input/output means for inputting and outputting audio; and

audio conversion means for performing mutual conversion between audio information and data information.

5. (Currently Amended) The wireless communication system according to claim 3 or 4 wherein:

said wide-area wireless communication base station is a pager base station, a cellular phone base station, or a PHS base station, and the wireless terminal includes receiving means corresponding to said pager base station; and

said wireless communication system is a wireless LAN, WAN, PAN, or ITS (Intelligent Transport System) system.

Claim 6 (Cancelled)

7. (Currently amended) A wide-area wireless communication base station for a wide-area wireless communication system in which a ~~calling~~ paging side is capable of calling a called side, the base station comprising a plurality of means:

network connecting means for connecting to a network which is not for the wide area wireless communication;

paging-request receiving means for receiving a paging request using an identification number on the network for a ~~non-paging~~ wireless communication terminal of the called side;

intersystem identification-number converting means for converting an identification number on the network to an identification number in the wide-area wireless communication system; and

paging means for paging the wireless communication terminal by using an identification number in the wide-area wireless communication system.

8. (Currently Amended) The wide-area wireless communication base station according to claim 7, wherein the wide-area wireless communication system is a pager ~~system~~, system, a cellular system, or a PHS system.

9. (Currently Amended) A wireless communication terminal capable of communicating with both a wide-area wireless communication system capable of wireless paging, and a ~~non-paging~~ wireless communication system capable of data ~~communication~~, communication by using a network connecting the wide-area wireless communication system capable of wireless paging and one or more wireless communication systems, the wireless communication terminal comprising:

receiving means for receiving a wireless page in the wide-area wireless communication system;

paging-information recognizing means for recognizing information concerning a calling side ID number on the network and paging details, the information being included in the wireless page; and

wireless communication means for performing wireless communication with the calling side having the calling side ID number in the wireless communication system when said paging-information recognizing means requests wireless communication to start.

10. (Previously Presented) The wireless communication terminal according to claim 9, further comprising wireless-communication-means activating means wherein, in a configuration in which said wireless communication means in the wireless communication terminal is normally in an inactivated state, when the paging-information means requests wireless communication to start, said wireless-communication-means activating means changes said wireless communication means to be activated.

11. (Original) The wireless communication terminal according to claim 9 or 10, further comprising:

audio/data conversion means for converting data received by said wireless communication means into audio, and converting audio of the calling side into data; and

audio input/output means for outputting the audio obtained by conversion, and inputting audio of a called side to said audio/data conversion means.

12. (Currently Amended) The wireless communication terminal according to claim 9, wherein:

said receiving means is a pager system ~~terminal~~; terminal, a cellular system terminal or a PHS system terminal; and, in addition,

said wireless communication means is a network adapter for a wireless LAN, WAN, or PAN, or is an ITS (Intelligent Transport System) terminal device.

Claim 13. (Cancelled)

Claim 14. (Cancelled)

15. (New) A wireless communication method according to claim 1, which method further comprises after the paging step, activating step of activating wireless communication means in the wireless communication terminal of the called side when the wireless communication means is in an inactivated state.

16. (New) A wireless communication method according to claim 1, wherein the communication step is performed through IP packet.

17. (New) A wireless communication method according to claim 1, wherein:

the wide-area wireless communication system is a pager system, a cellular system, or a PHS system, and the wireless communication system is a wireless LAN, WAN, PAN or ITS (Intelligent Transport System) system.

18. (New) A wide-area wireless communication base station according to claim 7, wherein a non-paging wireless communication terminal is a terminal for a wireless LAN, WAN, PAN or ITS.

19. (New) The wireless communication method according to claim 1, wherein in the paging-sending step, the calling side is connected to the network through a cable communication system.